

**Remarks**

In the Office Action dated August 22, 2008, the following rejections are present: claims 1-3, 10 and 11 stand rejected under 35 U.S.C. § 102(b) over the Nakamura reference (US Patent No. 5,801,572); claims 1-6, 8, 10-14 stand rejected under 35 U.S.C. § 102(b) over the Osborn reference (US Patent No. 5,796,278); claim 9 stands rejected under 35 U.S.C. § 103(a) over the Nakamura reference in view of the Shreve reference (US Patent No. 6,100,728); and claim 9 stands rejected under 35 U.S.C. § 103(a) over the Osborn reference in view of the Shreve reference. Claims 7 and 15 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten. Applicant traverses all of the rejections and, unless explicitly stated by the Applicant, does not acquiesce to any objection, rejection or averment made in the Office Action.

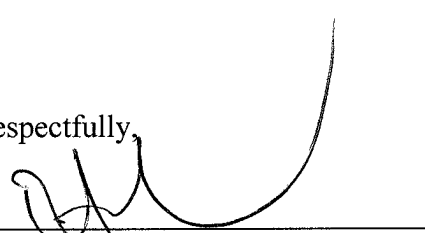
Applicant traverses each of the rejections. The rejections based on the '572 and '278 references should be withdrawn. For example, neither reference includes a temperature sensor and/or measurement, as claimed. Moreover, current through a FET does not inherently change a current measuring unit into a temperature sensor, and this functionally-based inherency argument is necessarily negated as a FET current is typically controlled independent of temperature in order to meet the circuit specification in most every device; this logically follows whether or not an external temperature control means (*e.g.*, ventilation, fan or coolant) is used in conjunction therewith. Thus pursuant to M.P.E.P. § 2112(IV), the suggestion of inherency is effectively vitiated by the inherent functionality of the type of circuitry relied upon for the rejections. Applicant accordingly requests that the rejections be withdrawn.

In view of the remarks above, Applicant believes that each of the rejections/objections has been overcome and the application is in condition for allowance. Should there be any remaining issues that could be readily addressed over the telephone, the Examiner is asked to contact the agent overseeing the application file, Peter Zawilski, of NXP Corporation at (408) 474-9063.

*Please direct all correspondence to:*  
Corporate Patent Counsel  
NXP Intellectual Property & Standards  
1109 McKay Drive; Mail Stop SJ41  
San Jose, CA 95131

CUSTOMER NO. 65913

Respectfully,



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Robert J. Crawford  
Reg. No.: 32,122  
(NXPS.569PA)